

p806 3, 4, 6-8, 14, 28a

3.  $LA = 4\pi \cdot 10 = 40\pi$   
 $SA = 40\pi + 2(4\pi)$   
 $48\pi \approx 150.8 \text{ in}^2$

4.  $LA = 24 \cdot 20 = 480$   
 $SA = 480 + 2 \frac{8^2 \sqrt{3}}{4}$   
 $\approx 32\sqrt{3}$

$535.4 \text{ cm}^2$

6.  $LA = 22 \cdot 2$   
 $44 \text{ ft}^2$   
 $SA = 44 + 2(24)$   
 $92 \text{ ft}^2$

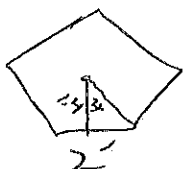
7.  $LA = 19 \cdot 9.1$   
 $172.9 \text{ m}^2$



$SA = 172.9 + 2 \left( \frac{1}{2} \cdot 7.9 \cdot 3 \right)$   
 $196.5 \text{ m}^2$

8.  $LA = 10 \cdot 3.5 = 35 \text{ in}^2$

$SA = 35 + 2 \left( \frac{1}{2} (1.35) 10 \right) = 48.8 \text{ in}^2$



$\frac{1}{2} \cdot 3.6 = \frac{1}{2} \cdot a$

14.

$1097 = 2\pi (8.2(h)) + 2\pi (k^2)$   
 $16.4\pi h + 422.5$

$674.5 = 16.4\pi h$

$13.1 \text{ m} = h$

28a  $r_1 = 12$   $r_2 = 6$   $h = 8$   
 $24\pi \cdot 8 + 12\pi \cdot 8 + 2 \left( \frac{144\pi}{4} - \frac{36\pi}{4} \right)$   
 $192\pi + 96\pi + 216\pi$

$504\pi \text{ m}^2$   
 $1583.4 \text{ m}^2$

p823 6, 7, 11, 18

6.  $V = Bh$   
 $5.3 \cdot 1.3$   
 $18.4$   
 $72 \text{ m}^2$

7.  $V = \frac{1}{2} 7 \cdot 10 \cdot 5$   
 $175 \text{ in}^3$

11.  $V = 25\pi \cdot 16$   
 $400\pi$   
 $1256.6 \text{ m}^3$

18.  $9\pi \cdot 7 = \pi 7 = 56\pi \approx 175.9 \text{ m}^3$